



## ENVIRONMENTAL RECOVERY SERVICES, INC.

15902 S. MAIN ST., GARDENA, CA. 90248 - TEL. (562) 427-7277 - (800) 368-4778 - FAX (310) 532-5958

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# Work Plan

## Introduction

The Scope of Work offered by Environmental Recovery Services (herein referred as Enviroserv) encompasses the removal of ash, dirt, asphalt, concrete & debris containing low level copper, lead, zinc and/or TPH contamination at the former Mushroom Express (Facility) located at 33777 Valley Center Road, Valley Center, CA. Enviroserv on behalf of Marvin Donius (Owner) will perform all work to comply with guidelines set forth by Local, State and Federal agencies. Any additional work imposed by any agency will be addressed if they fall outside of the guidelines specified in this work plan.

This clean up is based on the following components:

- A. Sweep & collect metal contaminated dust on concrete slab (approx. 600 ft<sup>3</sup>). Pressure wash slab & collect all wastewater
- B. Remove ash stockpile
- C. Remove TPH impacted soil & debris
- D. Remove TPH impacted soil & debris
- E. Remove TPH impacted soil & debris
- F. Sweep & collect TPH contaminated soil & debris. Prepare containment of fenced area with visqueen, sandbags & absorbent pigs. Pressure wash concrete & collect all wastewater

*See Site Map for reference locations*

The removal of all metal impacted ash, dirt, asphalt, concrete & debris will be confirmed by EPA via an XRF analyzer.

PetroFlag field testing will be performed to analyze the TPH impacted areas to confirm that all contamination has been removed. When the PetroFlag results indicate that we have reached our remediation goal (< 100 ppm), a confirmation sample will be collected from each area excavated for submittal to a state certified laboratory. All samples will be properly labeled, preserved and submitted via chain of custody protocol for formal TRPH analysis and inclusion in the final Technical Report. Confirmation samples will be taken by Marc Boogay.

The Scope of Work executed by Enviroserv or any subcontractor(s) was performed by licensed, 40-hour Hazwoper trained personnel with up-to-date 8-hour Refresher certifications and physicals. All work was performed in accordance with all Federal, State and local laws and regulations.



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Prior to commencement of work, Enviroserv prepared a written, detailed, site specific, Health and Safety Plan (HASP). The HASP addresses all safety and health issues as well as the following:

Site Control Management	Hazard Identification Control	PPE Selection
Chemical Hazards	Electrical Hazards	Dust Hazards
Heavy Equipment Operators	Use of Cutting Torches	Emergency Evacuation
Documentation Procedures	Forklift Safety	Respirator Usage
Exposure Standards	Dust Control	Plating Shop Hazards
Medical Emergency Response	Air Monitoring	

Based on the type of work performed and type of chemical hazards that were encountered, OSHA level "C" personnel protective equipment (PPE) was adequate protection and suitable for the tasks associated with this project. Depending on the specific area where work is to be performed, the HASP changed in the level of personnel protection. Air monitoring was conducted as required by OSHA regulations.

The HASP was used as a guideline for all work performed at the Facility. Initial HASP training for all those involved will be conducted at the beginning of the project and when new labor personnel, drivers, etc. arrive onsite. A daily Tailgate Safety Meeting will be held each morning to review specific details of that day's work. Documentation of attendance of those meetings and attendance records will be provided in the final project reporting supplied by Enviroserv (see Daily Sign-In Log).

A temporary wind sock will be placed outside the east driveway to monitor wind direction.

Enviroserv will establish and properly contain a staging area for all containerized waste from the facility. In this designated area all drums and totes will be prepared for shipment. Certificates of Treatment and/or Disposal will be issued for each manifested load. Upon completion of this project and all associated Project Tasks, Enviroserv will prepare and distribute a detailed report including copies of all Profile Data Sheets, manifest's, LDR's, weight tickets, analytical testing, inventory logs, HASP as well as Digital Documentation® for the entire project.

Site access controls will be established and rigidly enforced. The following work zones will be established to control site access.

### ***Exclusion Zone***

The Exclusion Zone will be the "Hot-Zone" inside the site perimeter. Entry and exit from this zone was made through a designated point at the Decontamination Zone boundary. **Only 40-hour OSHA trained personnel will be allowed to enter this zone.**



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### ***Decontamination Zone***

The Decontamination Zone will provide a location for removal of contaminated PPE and final decontamination of personnel and equipment. All contaminated PPE was collected and deposited in drum(s) staged near the Decontamination Zone. The drum(s) will be deposited into a lined, container upon the completion of the project. All personnel and equipment will exit via the Decontamination Zone corridor. A separate decontamination area will be established for any heavy equipment. In addition, a portable eye wash station will be located onsite in the Decontamination Zone for potential eye and/or skin exposure to liquid and/or solid particulate contaminants. **Only 40-hour OSHA trained personnel will be allowed to enter this zone.**

### ***Clean Zone***

The Clean Zone will be the area outside of the Exclusion and Decontamination Zones within the property boundaries. This area will be used for staging materials, parking of vehicles, sanitation facilities and receipt of deliveries. Personnel entering this zone included visitors, security guards, etc. who were not necessarily be permitted in the Exclusion Zone. There was one controlled entry/exit point from the Clean Zone to the Decontamination Zone.

For additional safety precautions, Enviroserve will provide perimeter security and traffic control while moving equipment in and out of the facility.

Please note that the Scope of Work does not include any fencing, building shoring, building structures, concrete removal, soil borings, subsurface contamination and/or remediation, analytical testing or handling of no-waste (refuse or similar) materials.

During cleanup activities involving the removal of debris and other materials, water misting will be employed to suppress dust. Additionally, during cleanup activities, the site perimeters will be visually monitored for dust. If dust appears outside of the work area, the monitor will sound an air horn and all work will be immediately stopped. Work will not resume until dust suppression methods were employed.

At no time during the course of this cleanup will Enviroserve discharge any liquids, wastes or other materials generated into the sanitary sewer or storm water systems. In the event of rain during the course of this project, Enviroserve will utilize and enact a Storm Water Pollution Prevention Contingency Plan (SWPPP).